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**US Army Corps  
of Engineers®**

Buffalo District

## FACT SHEET USACE BUFFALO DISTRICT ENVIRONMENTAL AND RADIOLOGICAL EXPERTISE

Overview: The Buffalo District of the U.S. Army Corps of Engineers has a proven record of progressing environmentally challenging projects to successful completion while integrating stakeholder's interests. The Buffalo District manages more than twelve radiologically-contaminated sites throughout New York, Ohio and Pennsylvania in the Formerly Utilized Sites Remedial Action Program (FUSRAP) using the CERCLA process to evaluate and take necessary remedial actions. To date, the Buffalo District has closed out four major sites and is nearing completion of the \$250,000,000 remediation of the Linde Air Products facility. The Buffalo District has also provided radiological and environmental engineering support to other DOD programs and other federal agencies such as USEPA, NASA and the DOE. Qualifications and attributes of the Buffalo District are as follows:

- A staff of highly qualified health physicists with extensive experience administering site characterization and cleanup under CERCLA.
- Environmental engineers and chemical engineers experienced in chemical and radioactive waste investigations and cleanups in accordance with the CERCLA process.
- Expertise in hydrogeologic and geostatistical analyses of sub-surface contaminants utilizing state of the art computer models and codes.
- A staff of chemists experienced in data acquisition, assessment and validation procedures for both radiological and chemical constituents.
- Risk assessment personnel with experience preparing human and ecological risk assessments including detailed pathways analyses for radiologically and chemically contaminated sites. Fully proficient in the use of risk and dose assessment guidance from the USEPA, NRC, as well as Residual Radioactivity model (RESRAD) and the RESRAD family of codes.
- Detailed knowledge of NRC dose assessment paradigms for decommissioning.
- Cost and Design engineers experienced in assessing and developing solutions for complex sites with radiological, civil-structural, and geotechnical components.
- A highly experienced construction management staff with construction inspectors and Contract Officer Representatives experienced in all aspects of radiological site operations.
- Site Safety & Health and Industrial Hygiene personnel experienced in all aspects of site investigations, remedial investigations, and site remediation.
- Extensive experience working with multi-disciplinary virtual teams across the U.S. Army Corps of Engineers and access to additional support throughout the organization.
- Radiological and chemical transport and disposal experts trained to meet the Department of Transportation (DOT) regulations and packaging requirements.
- Trained radiochemist teams for correct manifesting of radiological and chemical wastes.
- Professionals with radiological and mixed waste disposal expertise, including knowledge of disposal facility waste acceptance criteria (WACs) and ongoing interface with landfill owners, operators and state regulatory officials.
- Experience negotiating with various state and federal agencies including the US Environmental Protection Agency and US Nuclear Regulatory Commission.
- In-depth knowledge of Federal and State (OH, PA, NY) regulations and their interpretation and application as ARARs
- Extensive experience in the field application of the Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM) for planning site characterizations and remedial investigations, and the Triad approach to site investigations.
- Extensive risk communication, public outreach, and public relations experience.
- A pool of accessible and highly qualified contractors, experienced in the execution of USACE environmental projects.

For Further Information please contact:

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